

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1135	alpha near3 (ta or tantalum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/05 15:01
L2	579	L1 and (alcu or copper or cu)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/05 15:01
L3	330	L2 and (rough\$4 or bump or uneven or porous or grain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 15:01
L4	223	L3 and (tan or (tantalum adj1 nitride))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 15:01
L5	4	("6221757" "6291885" "6342448" "6562715").PN. OR ("6727592").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 15:02
L6	3	L5 and (rough\$4 or bump or uneven or porous or grain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 15:02
L7	271	vu near1 hung	US-PGPUB; USPAT	OR	OFF	2005/12/05 15:02
L8	121	L7 and (copper or cu)	US-PGPUB; USPAT	OR	OFF	2005/12/05 15:02
L9	69	L7 and (tantalum or ta)	US-PGPUB; USPAT	OR	OFF	2005/12/05 15:02
L10	54	L8 and L9	US-PGPUB; USPAT	OR	OFF	2005/12/05 15:02
L12	28	L10 and (rough\$4 or bump or uneven or porous or grain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 15:04

L13	330	L2 and (rough\$4 or bump or uneven or porous or grain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 15:05
L14	355	12 or 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 15:04

FILE 'REGISTRY' ENTERED AT 17:43:48 ON 01 DEC 2005
L1 1 SEA ABB=ON PLU=ON TANTALUM/CN

FILE 'REGISTRY' ENTERED AT 17:44:09 ON 01 DEC 2005
L2 1 SEA ABB=ON PLU=ON ALPHA(W) (TA OR TANTALUM)
L3 0 SEA ABB=ON PLU=ON L1(L) ALPHA
D L2 ALL

FILE 'HCAPLUS' ENTERED AT 17:45:02 ON 01 DEC 2005
L4 284 SEA ABB=ON PLU=ON ALPHA(W) (TA OR TANTALUM)

FILE 'REGISTRY' ENTERED AT 17:45:28 ON 01 DEC 2005
L5 608 SEA ABB=ON PLU=ON TANTALUM NITRIDE
L6 2501 SEA ABB=ON PLU=ON TA/ELS,MAC AND NITRIDE

FILE 'HCAPLUS' ENTERED AT 17:46:31 ON 01 DEC 2005
L7 7374 SEA ABB=ON PLU=ON (L5 OR L6) OR (TA OR TANTALUM) (W)NITRIDE
L8 44 SEA ABB=ON PLU=ON L4 AND L7
L9 2 SEA ABB=ON PLU=ON L8 AND ROUGH#####
L10 18 SEA ABB=ON PLU=ON L8 AND BARRIER
L11 2 SEA ABB=ON PLU=ON L8 AND OPENING
L12 2 SEA ABB=ON PLU=ON L8 AND (FILL##### OR PLUG#### OR OPENING) (3
A) (CU OR COPPER)
L13 7 SEA ABB=ON PLU=ON L10 AND SURFACE
L14 8 SEA ABB=ON PLU=ON L9 OR L11 OR L12 OR L13
D BIB AB HITSTR TOT

FILE 'JICST-EPLUS' ENTERED AT 17:50:06 ON 01 DEC 2005
L15 15 SEA ABB=ON PLU=ON ALPHA(W) (TA OR TANTALUM)
D ALL TOT

FILE 'INSPEC' ENTERED AT 17:50:58 ON 01 DEC 2005
L16 103 SEA ABB=ON PLU=ON ALPHA(W) (TA OR TANTALUM)
L17 430 SEA ABB=ON PLU=ON (TA OR TANTALUM) (W)NITRIDE
L18 8 SEA ABB=ON PLU=ON L16 AND L17
D ALL TOT
L19 846 SEA ABB=ON PLU=ON TAN/CHI
L20 12 SEA ABB=ON PLU=ON L16 AND L19
L21 11 SEA ABB=ON PLU=ON L20 NOT L18
L22 0 SEA ABB=ON PLU=ON L21 AND ROUGH#####
L23 3 SEA ABB=ON PLU=ON L21 AND SURFACE
L24 9 SEA ABB=ON PLU=ON L21 AND BARRIER
L25 9 SEA ABB=ON PLU=ON L22 OR L24